

## Abstract

Title: The frequency and possible solutions of amputations of lower limb.

Goals: To give an overview of causes and types of amputations. To evaluate the number of performed amputations that are based on data from. To demonstrate and evaluate possible solutions of prosthetic equipment for patients with different causes of amputations of lower limbs.

Methods: The basis of a theoretical part is a literature review. The data are processed into graphs in a practical part. Case reports are created according to an expert consultation with a prosthodontist.

Results: An increase of amputations of lower limb is obvious from the graphs, especially in case of the patients suffering from diabetes mellitus. On the other hand, the number of patients with amputations as a result of a traumatic event is decreasing.

Key words: prosthetic device, prosthesis, amputations, trauma, cause of amputation